Record of Modification

to the

Troy Sampling and Quality Assurance Project Plan

Field Activities

TFO-00003

Instructions to Requester: Fax to contacts at bottom of form for review and approval.
File approved copy with Data Manager at the Troy Field Office (TFO).
Data Manager will maintain legible copies in a binder that can be accessed by TFO personnel.
If Modification is Temporary for a single Parcel, Data Manager will scan this and place in parcel's electronic file.

Project Work Plan/QAPP (check one):

- ● Outdoor Ambient Air Study Work Plan
- ○ Other (Title and approval date):_____

Site-Specific Guidance/SOP:
Title NA Number/Revision): NA

Requester: Catherine LeCours Title: Project Manager
Company: DEQ Date: October 14, 2010

Description of Modification (attach additional sheets if necessary, state section and page numbers of each document that are affected by the proposed modification): Section 4.4.2 in the Final Remedial Investigation Work Plan Outdoor Ambient Air Study – Operable Unit Number 7 of the Libby Asbestos Superfund Site provides a general description of proposed ambient air sampling station locations. The ambient air monitoring stations will be relocated for the second (and any subsequent) years for more comprehensive coverage of the four "air zones" identified in OU7. This will provide additional data in support of human health risks related to ambient air exposure. The text will provide flexibility for future changes to the sample station locations.

Field Sampling Data Sheet where Modification is documented (attach associated correspondence): N/A

Potential Implications of Modification: Re-locating the ambient air sampling stations within the four "air zones" will further support human health risk assessment for OU7. Moving the stations will not impact analytical protocol but may have an impact on LA concentrations due to the new station locations; however, it is not anticipated to have any impact on the quality and usefulness of analytical results.

Duration of Modification (Check one):

- ○ Temporary

  Date(s):_____ Station Number-_____

  TA-_____

- ● Permanent (Proposed Text Modification Section) Effective Date: November 1, 2010

Proposed Text Modifications in Associated Document (attach additional sheets if necessary): Section 4.4.2 in the Final Remedial Investigation Work Plan Outdoor Ambient Air Study – Operable Unit Number 7 of the Libby Asbestos Superfund Site and Table 4-2 will read as follows:

As previously discussed, the predominant winds in Troy flow in southeast and northwest directions, following the river corridor in which Troy is located. As wind direction can change throughout the year, sampling stations will be placed in close proximity to the northern and southern boundaries of OU7. This will ensure that there are upwind and downwind sample collection stations for both directions the wind is blowing. Additional stations will be located near the northern and southern borders of downtown Troy in order to have upwind and downwind sample stations in the area with the highest population density. One sample station will also be located in the densely populated area of downtown Troy and a final station will be located north of Troy in a developed area. Table 4-2 has the rationale for the ambient air monitoring locations and Figure 4-2 shows the proposed ambient air monitoring locations.

TABLE 4-2

OUTDOOR AMBIENT AIR SAMPLING LOCATIONS

Station Location*	Purpose
Upwind/downwind site near the NW border of OU7	This site will be used to evaluate LA concentrations at the northernmost boundary of OU7 and confirm if any LA is entering or leaving OU7
Community exposure site located within small community area NE of the Kootenai River	This site will be used to evaluate LA concentrations at the small community and the northern boundary of OU7
City of Troy northern site	This site will be used to evaluate LA concentrations north of the Troy community
City of Troy population exposure site	This site will be used to evaluate LA concentrations in the Troy community (specifically in the population center).
City of Troy southern site	This site will be used to evaluate LA concentrations south of the Troy community
SW upwind/downwind site	This site will be used to evaluate LA concentrations at the southwestern boundary of the OU and confirm if any LA is entering or leaving OU7
SE upwind/downwind site	This site will be used to evaluate LA concentrations at the southeastern boundary of the OU and confirm if any LA is entering or leaving OU7
Rotating co-located sampling station to each of the seven sampling locations	Co-located sampling station to evaluate analytical variability at each of the seven station locations

Notes:

LA	Libby Amphibole	SE	Southeast
NE	Northeast	SW	Southwest
NW	Northwest	OU	Operable Unit

* Predominant winds in the area blow from the southeast and northwest. Stations on the southeast and northwest boundaries of OU7 will act as upwind and downwind receptors depending on wind direction. A summary of historical meteorological conditions is presented in Section 4.4.1.

Data Quality Indicator (circle one) – Please reference definitions on reverse side for direction on selecting data quality indicators:

Not Applicable Reject Low Bias Estimate High Bias [No Bias]

Technical Review and Approval: Catherine LeCours Date: 10-18-2010
(DEQ Project Manager or designate)

EPA Review and Approval: [signature] Date: 10-18-2010
(USEPA RPM or designate)

DATA QUALITY INDICATOR DEFINITIONS

Reject – Samples associated with this modification form are not useable. The conditions outlined in the modification form adversely affect the associated sample to such a degree that the data are not reliable.

Low *Bias* – Samples associated with this modification form are useable, but results are likely to be biased low. The conditions outlined in the modification form suggest that associated sample data are reliable, but estimated low.

Estimate – Samples associated with this modification form are useable, but results should be considered approximations. The conditions outlined in the modification form suggest that associated sample data are reliable, but estimates.

High Bias – Samples associated with this modification form are useable, but results are likely to be biased high. The conditions outlined in the modification form suggest that associated sample data are reliable, but estimated high.

No Bias – Samples associated with this modification form are useable as reported. The conditions outlined in the modification form suggest that associated sample data are reliable as reported.